RCRA / code 5

Low - OK (under RCRA)

5E0301-

Po tial Hazardous Waste Sit
Preliminary Assessment

Thomas Steel Strip Corp.
#OHD 077-755-213

Med Dep 3-24-88

Thomas Steel Strip Corp. is located on the northwest side of Warren on an industrial section of W. Market Street (Route 5), near residential neighborhoods. The Mahoning River is less than a mile away on either side of the facility; Dickey Run is the receiving stream for the company's wastewater.

Thomas Steel submitted an application for a Part A permit in August 1980, then requested (7/7/81) it be withdrawn because they had begun the process of delisting their waste stream. In their CERCLA 103C Notification (4/29/81), Thomas Steel described their wastes as F006 plating sludges and K063/K062 sludges from lime treatment of spent pickle liquor. The plating waste is stored in a surface impoundment developed within the company's solid waste "dump". The lime treatment sludges are contained in three (3) lagoons that have not been used since 1982. A RCRA delistment petition was submitted to USEPA in April 1982.

In June 1982, USEPA notified Thomas of their obligation to comply with the groundwater monitoring regulations of 40 CFR 265 Subpart F. Thomas responded to the letter with a request for a waiver of groundwater monitoring regulations while their delistment was pending. In the meantime, the company has postponed beginning any groundwater monitoring program.

A RCRA inspection of this facility was conducted on June 8, 1984. A tour of the site confirmed that the lagoons and surface impoundment are exposed and act as catch basins for rainwater, etc. The surface impoundment's water flows back to the wastewater treatment plant; the lagoon's water is discharged to storm drains. Although most of the plating sludge has been disposed of in the surface impoundment, some of the sludge has been spilled on the solid waste portion of the "dump". The lagoons and impoundment were were constructed on low-lying swampy areas. A drainage ditch has been dug to direct runoff/leachate past the lagoons to a storm sewer (see attached map).

Clayey soils in the area may prevent or slow the migration of leachate out of the storage areas, but leachate contamination of either surface or groundwater is possible since no liners were used.

Because Thomas Steel Strip's waste handling has been done since RCRA regulations came into effect, the lagoons and surface impoundment can be included in any RCRA permits or regulatory activities for this facility. We recommend continued RCRA enforcement activity at Thomas Steel Strip. Future CERCLA action should be postponed pending resolution of RCRA issues (delisting). This facility should be given a low priority in the 3012 program.

PW:km
June 12, 1984

US EPA RECORDS CENTER REGION 5
546498

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

EPA

I. IDENTIFICATION
01 STATE: OH | 02 SITE NUMBER: D007755213

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
Thomas Steel Strip Corp.	Delaware Ave., NW; north of Rte 5

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
Warren	OH	44485	Trumbull	155	11

09 COORDINATES LATITUDE	LONGITUDE	
41° 13' 12" N	080° 51' 31" W	Warren, OH NE/4 Warren 15' Quad.

10 DIRECTIONS TO SITE (Starting from nearest public road)
SE from Cleveland; I-480 to I-80 east to exit #14. Blends into Rte. 5 (Market St.) east to Thomas Steel Strip.

III. RESPONSIBLE PARTIES

01 OWNER (If known)	02 STREET (Business, mailing, residential)			
Same as above				
03 CITY	**04 STATE**	**05 ZIP CODE**	**06 TELEPHONE NUMBER**	
			(216) 841-6111	
07 OPERATOR (If known and different from owner)	**08 STREET** (Business, mailing, residential)			
Same as above				
09 CITY	**10 STATE**	**11 ZIP CODE**	**12 TELEPHONE NUMBER**	
			( )	

13 TYPE OF OWNERSHIP (Check one)
☑ A. PRIVATE ☐ B. FEDERAL: _____ (Agency name) ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
☐ F. OTHER: _____ (Specify) ☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)
☑ A. RCRA 3001 DATE RECEIVED: 7 23 80 (MONTH DAY YEAR) ☑ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: 4 29 81 (MONTH DAY YEAR) ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION
☑ YES DATE 6 18 84 (MONTH DAY YEAR) ☐ NO
Multiple Inspections

BY (Check all that apply)
☐ A. EPA ☐ B. EPA CONTRACTOR ☑ C. STATE ☐ D. OTHER CONTRACTOR
☐ E. LOCAL HEALTH OFFICIAL ☐ F. OTHER: _____ (Specify)
CONTRACTOR NAME(S): _____

02 SITE STATUS (Check one)
☑ A. ACTIVE ☐ B. INACTIVE ☐ C. UNKNOWN

03 YEARS OF OPERATION
1953 (BEGINNING YEAR) | Still operating (ENDING YEAR) ☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED
Heavy metals (Toxic/Persistent) F006
Acids (Corrosive)
Other Organics (Toxic/Persistent) K063/K062 Past treatment process

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION
Groundwater (Environment)
Surface Water (Environment/Population)

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)
☐ A. HIGH (Inspection required promptly) ☐ B. MEDIUM (Inspection required) ☑ C. LOW (Inspect on time available basis) ☐ D. NONE (No further action needed; complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)			03 TELEPHONE NUMBER
Debby Berg	OEPA, NEDO/DSHWM			(216) 425-9171
04 PERSON RESPONSIBLE FOR ASSESSMENT	**05 AGENCY**	**06 ORGANIZATION**	**07 TELEPHONE NUMBER**	**08 DATE**
Pam Wicks	OEPA	NEDO/DSHWM	(216) 425-9171	6 12 84 (MONTH DAY YEAR)

EPA FORM 2070-12 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
OH	D007755213

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- [X] A. SOLID
- [ ] B. POWDER, FINES
- [X] C. SLUDGE
- [ ] D. OTHER (Specify) _____
- [ ] E. SLURRY
- [ ] F. LIQUID
- [ ] G. GAS

02 WASTE QUANTITY AT SITE
(Measures of waste quantities must be independent)

TONS _____
CUBIC YARDS 13,000 Approx
NO. OF DRUMS _____

03 WASTE CHARACTERISTICS (Check all that apply)

- [X] A. TOXIC
- [ ] B. CORROSIVE
- [ ] C. RADIOACTIVE
- [X] D. PERSISTENT
- [ ] E. SOLUBLE
- [X] F. INFECTIOUS
- [ ] G. FLAMMABLE
- [ ] H. IGNITABLE
- [ ] I. HIGHLY VOLATILE
- [ ] J. EXPLOSIVE
- [ ] K. REACTIVE
- [ ] L. INCOMPATIBLE
- [ ] M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE	UK	UK	Chrome plating waste
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS	UK	UK	Lime treatment of Plating Operations
IOC	INORGANIC CHEMICALS			
ACD	ACIDS	UK	UK	Pickle Liquors
BAS	BASES			
MES	HEAVY METALS	UK	UK	Chrome sludge of Steel Processing

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

RCRA Land Disposal Inventory, Mark Schmidt, OEPA/NEDO, 4/81.
NPDES Permit file, 9/83 Inspection, Wm. Bush, OEPA/NEDO
Site Inspection, D. Berg & P. Wicks, OEPA/NEDO, 6/8/84
Permit Application, Thomas Steel Strip, 8/18/80

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE: OH | 02 SITE NUMBER: D077755213

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) — ☑ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 56,000 Approx — 04 NARRATIVE DESCRIPTION
Surface impoundment in Company landfill stores plating sludges contaminated with Chromium. Rainwater collected in the impoundment drains back to w.w.t.p Some chrome (green) sludge has been spilled on landfill w/demo debris. Clayey soils, high water table, bedrock at 25 ft. Still in use.

01 ☑ B. SURFACE WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) — ☑ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 360 Approx — 04 NARRATIVE DESCRIPTION
Inactive pickle liquor lime neutralization lagoons are set up with sluice boxes to drain excess rain water to storm sewer or Dickey Run. Drainage ditch also transport runoff/leachate to storm sewer (from landfill & lagoon area). Part of delistment petition.

01 ☐ C. CONTAMINATION OF AIR — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
None reported (N.R.)

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
N.R.

01 ☐ E. DIRECT CONTACT — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
Double fencing, guards on duty & inspect fences.

01 ☐ F. CONTAMINATION OF SOIL — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: _____ (Acres) — 04 NARRATIVE DESCRIPTION
Low, swampy area surrounds (& is under) landfill & lagoons — whole facility built over fill. Runoff flows directly to swampy areas or drainage ditch. Soils in vicinity are not known; characteristics not described in any soil survey.

01 ☐ G. DRINKING WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
Although one domestic well is documented (4000 ft SE from site) most of Warren is on municipal water - source is Mosquito Creek Reservoir, greater than 4 miles away.

01 ☐ H. WORKER EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
N.R.

01 ☐ I. POPULATION EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
N.R.

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
OH	D077755213

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

No sign of dead/dying vegetation - Cattails growing in sludge (lagoons)

01 ☐ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (Include name(s) of species)

N.R.

01 ☐ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

N.R.

01 ☑ M. UNSTABLE CONTAINMENT OF WASTES (Spills/runoff/standing liquids/leaking drums) — 02 ☑ OBSERVED (DATE: 6/8/84) ☑ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

See A & B - Leachate and/or runoff into drainage ditches

01 ☐ N. DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

N.R.

01 ☑ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE: _____) ☑ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

See A & B.

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

N.R.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: 56,000 Approx.

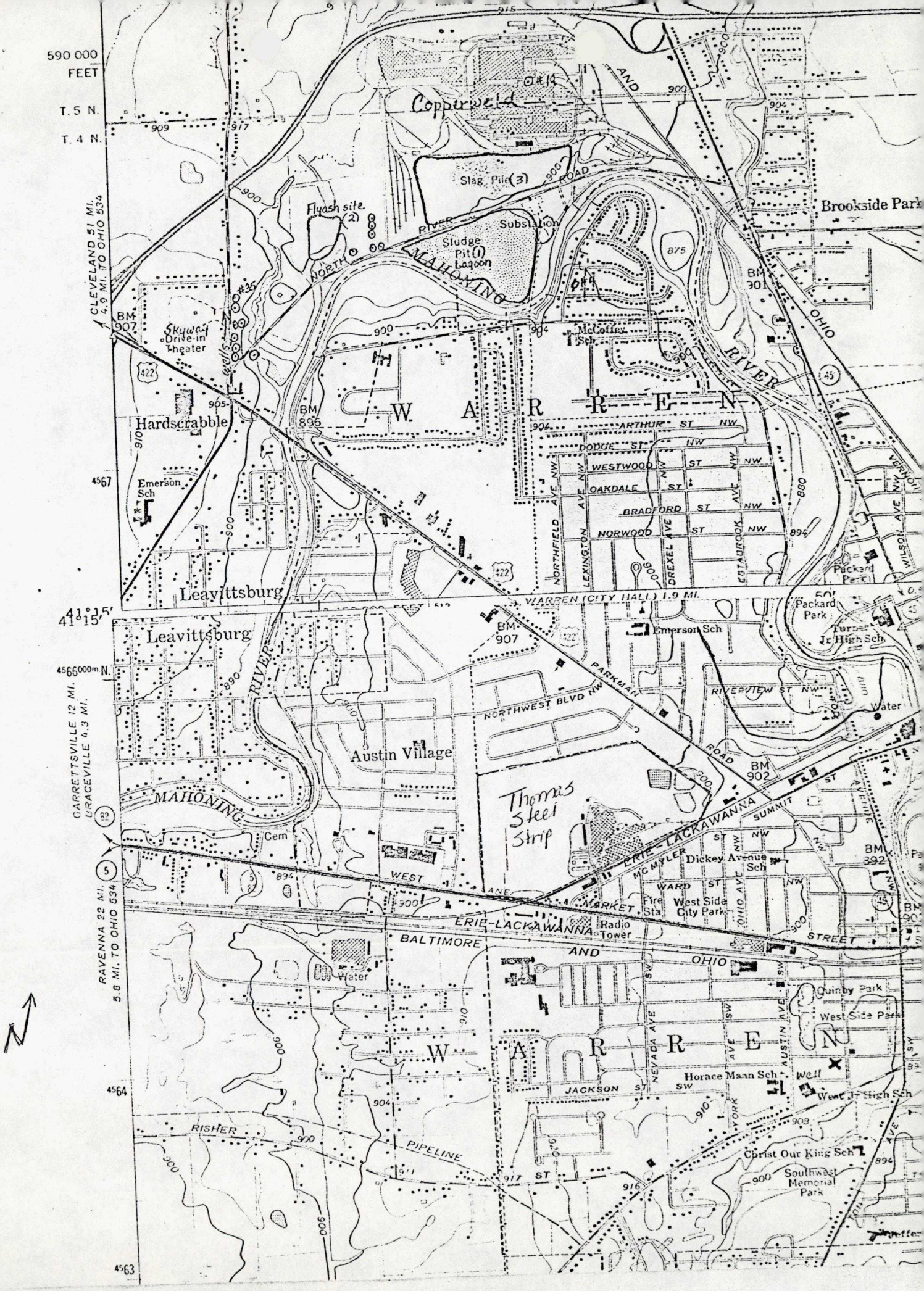
IV. COMMENTS

Company has not monitored ground water near surface impoundment & lagoons. Compliance required by Subpart F Sec. 265.90-.94. Delistment has not been issued; uncertain when.

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, report(s))

Part 2 VI
Delistment Petition & Analysis, Thomas Steel Strip, 4/20/82

EPA FORM 2070-12 (7-81)


590 000 FEET
T. 5 N.
T. 4 N.
CLEVELAND 51 MI. 4.9 MI. TO OHIO 534
Copperweld
Slag Pile (3)
Flyash site (2)
Sludge Pit (1) Lagoon
Substation
NORTH MAHONING RIVER
Brookside Park
OHIO RIVER
BM 907
Skyway Drive-in Theater
McCoffey Sch
WARREN
Hardscrabble
Emerson Sch
Leavittsburg
WARREN (CITY HALL) 1.9 MI.
ARTHUR ST NW
DODGE ST NW
WESTWOOD ST NW
OAKDALE ST NW
BRADFORD ST NW
NORWOOD ST NW
NORTHFIELD AVE NW
LEXINGTON AVE NW
DREXEL AVE NW
EASTBROOK AVE NW
WILSON AVE NW
Packard Park
Turner Jr High Sch
41°15'
4566000m N.
Leavittsburg
BM 907
Emerson Sch
RIVER
PARKMAN ROAD
NORTHWEST BLVD NW
RIVERVIEW ST NW
Water
Austin Village
MAHONING
Thomas Steel Strip
BM 902
GARRETTSVILLE 12 MI. BRACEVILLE 4.3 MI.
Cem
ERIE-LACKAWANNA
SUMMIT AVENUE
MC MYLER ST NW
Dickey Avenue Sch
BM 892
WEST AVE
WARD ST NW
MARKET
Fire Sta
West Side City Park
OHIO AVE NW
ERIE-LACKAWANNA
Radio Tower
STREET
BALTIMORE AND OHIO
Quinby Park
West Side Park
RAVENNA 22 MI. 5.8 MI. TO OHIO 534
Cut Water
WARREN
NEVADA AVE SW
AUSTIN AVE SW
Horace Mann Sch
Well
West Jr High Sch
JACKSON ST SW
YORK AVE SW
RISHER
PIPELINE
Christ Our King Sch
Southwest Memorial Park
917 ST
4564
4563

Thomas Steel Strip 6/18/84